Regulatory Analysis of OSHA's Safety and Health Program Rule (COST METHODOLOGY FLOW CHARTS)

Prepared on behalf of

U.S. Small Business Administration

Washington, D.C.

by

POLICY PLANNING & EVALUATION, INC.

800 Third St., Herndon, VA 20170 Tel. 703-709-0888; Fax 703-709-7650; email ppe@pipeline.com

Management Leadership Establish Management Responsibility

Management Hours Spent from 0.5 to 8 X Management Labor Rate \$23.80

Management Cost \$11.90 to \$190.40

+

Clerical Hours Spent from 0.05 to 0.8 Base Labor Rate \$18.50

X

X

Clerical Cost \$0.92 to \$14.81

=

Total Cost \$12.82 to \$205.21

Total Cost \$12.82 to \$205.21 Number of Establishments 4,487,735 Annualized 7.24

Total Annual Cost \$7,946,514 to \$127,200,276

Management Leadership Initial Training of Managers

Number of Managers Trained from 1 to 70 X Management Labor Rate \$23.80

X Hours Spent 2

Cost of Lost Output \$47.60 to \$4,284

+

Cost of Consultant or College Course \$300 to \$500

=

Total Cost \$347.60 to \$4,784

Total Cost \$347.60 to \$4,784 Number of Establishments 4,487,735

Annualized 7.24

Total Annual Cost \$215,460,873 to \$2,965,376,276

Management Leadership Periodic Training of Managers

Number of Managers Trained from 1 to 70

X

Management Labor Rate \$23.80

X

Hours Spent

Cost of Lost Output \$23.80 to \$2,142

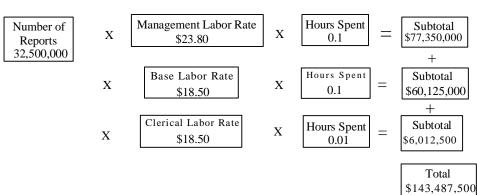
Cost of Lost Output \$23.80 to \$2,142

X

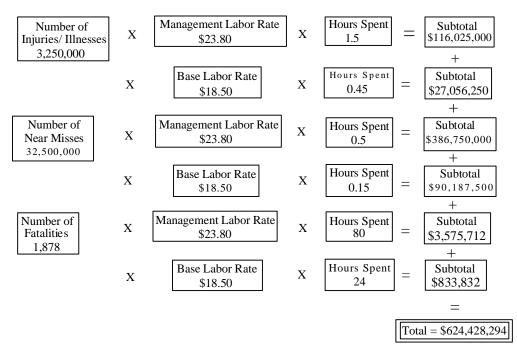
Number of Establishments 4,487,735

Total Annual Cost \$106,808,093 to \$9,612,728,370

Employee Participation Reports



Employee Participation Investigations



Hazard Identification and Assessment Initial

Number of Hazards 32,500,000

X Management Labor Rate \$23.80 $\begin{array}{ccc} X & \begin{bmatrix} Hours \ Spent \\ 0.25 \end{bmatrix} \ = \ \begin{bmatrix} Subtotal \\ \$193,375,000 \end{bmatrix}$

X

Base Labor Rate \$18.50 X Hours Spent 0.025

Subtotal \$15,031,250

= Fotal

Total \$208,406,250

Total \$208,406,250

•

Annualized 7.25

Total Annual Cost = \$28,785,393

Hazard Identification and Assessment Periodic

X

X

X

Number of Hazards 32,500,000

Management Labor Rate X \$23.80

Hours Spent Subtotal \$96,687,500 X 0.125

Base Labor Rate X \$18.50

Hours Spent 0.0125 \$7,515,625

> Total per Assessment \$104,203,125

Subtotal

Total per Assessment \$104,203,125

X

Frequency: Low Hazard 0.5

Percent of Establishments with Low Hazard 0.333

Subtotal \$17,349,819

+

Frequency: Med Hazard X 1.0

Percent of Establishments with Medium Hazard 0.333

Subtotal \$34,699,638

Frequency: High Hazard X 2.0

Percent of Establishments with High Hazard 0.333

Subtotal \$69,399,277

+

Total annual cost = \$121,448,720

Hazard Identification and Assessment Prioritizing and Tracking Hazards

Number of Hazards 32,500,000 X Management Labor Rate \$23.80

X Hours Spent 0.0333

Total Annual Cost \$25,780,756

Information and Training Create a Training Program

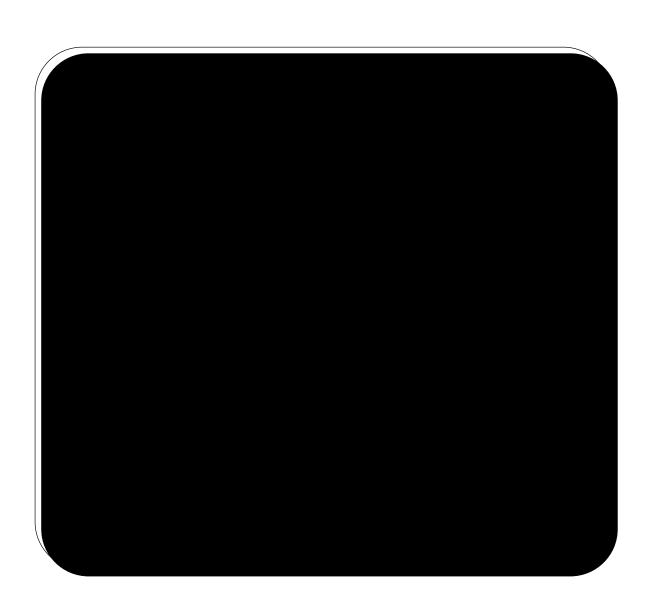
Hours Spent Number of Management Percent Subtotal Establishments Labor Rate Low Hazard Low Hazard \$71,198,275 4,487,735 \$23.80 0.333 +Hours Spent Percent Subtotal X X Med Hazard Med Hazard \$142,396,550 0.333 +Percent Subtotal Hours Spent X \$284,793,099 High Hazard High Hazard 8 0.333 = Total Cost \$498,387,924

Total Cost \$498,387,924

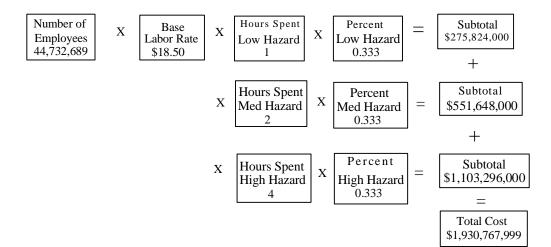
+

Annualized 7.24

Total Annual Cost \$68,838,111

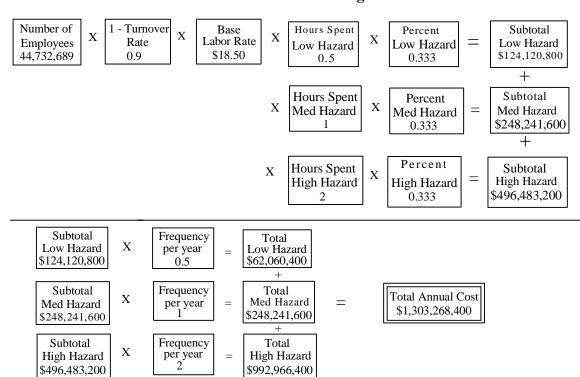


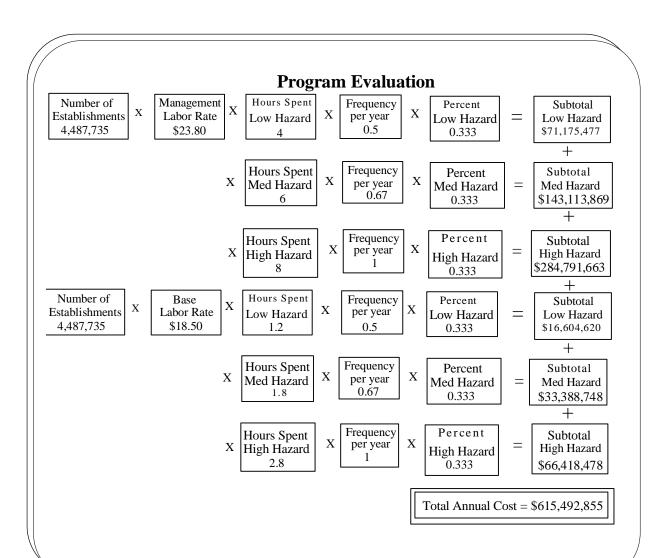
Information and Training Initial Training





Information and Training Periodic Training





Program Updates

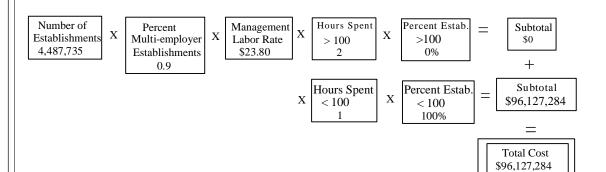
Program Evaluation Cost \$615,492,855

X Hou

Percent of Hours Spent 0.25

Total Annual Cost \$153,873,214

Multi-Employer Worksites Communication by Host Employer



Hazard Control Initial



X Cost per Hazard Low \$174

X Percent Low Hazard 0.333 Subtotal \$1,884,999,812

X

X Cost per Hazard Med - High \$437 Percent Med - High Hazard 0.667

Subtotal \$9,468,333,807

=

=

Total \$11,353,333,618

Total \$11,353,333,618 Annualized 7.24

X 20% Reduction 1

Total Annual Cost \$1,568,140,003

X 30% Reduction 1.5

Total Annual Cost \$2,352,210,004

X 40% Reduction 2

Total Annual Cost \$3,136,280,005

Hazard Control Recurring

